

TECHNICAL CONTROL FACILITY

AN/TSQ-84

1. DESCRIPTION:

The Technical Control Facility AN/TSQ-84 provides a capability for circuit patching in the Multichannel Subsystem. The facility will permit interconnect, monitor, and test of large number of circuits terminated or passing through communication nodes. The AN/TSQ-84 will provide sufficient capacity of four-wire interconnections for the large area and Command Signal Centers, improve line test and monitor facilities, improve operating space, improve record keeping facilities, and upgrade the test and record keeping function.

2. FEDERAL STOCK NUMBER:

To be assigned.

3. MAJOR COMPONENTS:

<u>QTY</u>	<u>NOMENCLATURE</u>	<u>TYPE NO.</u>
1	Shelter, Electrical Equipment	
2	Converter, Telephone Signal	CV-1548
2	Converter, Telephone Signal	CV-2636
24	Line Isolators	CU-1819
12	Terminal, Telegraph	TH-22 (MOD)
1	Switchboard, Telephone	SB-22 (Stacked)
1	Terminal, Telegraph	TH-22
1	MDF Patch Panel	
1	Monitor Patch Panel	
1	Rapid Patch & Test Panel	
1	DC Patch Panel	
1	Test Set, Teletype	AN/GGM-15
1	Test Set, VF	AN/USM-181
1	Oscilloscope	AN/USM-281A
1	Reperforator-Transmitter	TT-179
1	Teletypewriter	TT-119

NOTE: The configuration of the AN/TSQ-84 is subject to change as the requirements for recordkeeping and circuit monitoring have not been finalized.

4. Ancillary Equipment:

a. Transporter (USATACOM)

1 ea Truck Cargo, 2-1 $\frac{1}{2}$ Ton 6x6 M-35A2

b. Air Conditioner (USATROSCOM)

2 ea Horizontal, Compact, 9000 BTU FSN 4120-411-5443

c. Power Unit (USATROSCOM)

1 ea Generator Set, Gasoline Engine, PU-619/G
Trailer Mounted (2 ea 10 Kw Units in
1 $\frac{1}{2}$ Ton Trailer)

5. Appropriate Literature:

TM 11-5895-799-14

6. Characteristics:

a. Physical -

Dimensions: Refer to S-280/G Shelter on Page
Weight: Gross 5820 pounds

b. Technical -

Input Voltage 120/240, 50-60 Hz, 3 wire, Single Phase
Power Consumption 8,500 Watts
Local Communications Facility TA-312/PT, TA-341 and intercoms

7. Concept of Employment:

The AN/TSQ-84 is used in the Corps Area System to provide for a capability to manually interconnect, monitor and test the large number of communication circuits patched and terminated at Signal Centers in the Army Tactical Communications System.

8. Improved Operation Capabilities Over Previous Types:

The AN/TSQ-84 will replace the Communications Patch Panel SB-675/MSC. It will provide the interface for monitor, test and patching of individual local subscriber circuits with automatic switches. It will also provide interface for DC and commercial subscribers and systems.

9. Plans for Continuation or Replacement:

No replacement is anticipated.

10. Military Personnel Requirements:

Operator - MOS 31N Tactical Circuit Controller

Repair - MOS 36G Manual Central Office Repairman